

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

 ATTY. DOCKET NO.
044117-0143

 SERIAL NO.
10/539,771

 APPLICANT
Eric PINET, et al.

(Substitute for form 1449/PTO)

 FILING DATE
January 10, 2006

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U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	CITE NO.	Document Number Number-Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US 2,106,744	Feb. 1, 1938	Hood, et al.	
		US 2,221,709	Nov. 12, 1940	Hood et al.	
		US 2,266,275	June 16, 1942	Hood, et al.	
		US 4,146,887	Mar 27, 1979	Hagnante	
		US 4,154,586	May 15, 1979	Jones, et al.	
		US 4,155,358	May 22, 1979	McAllister, et al.	
		US 4,326,514	Apr 4, 1982	Elan	
		US 4,530,708	July 23, 1985	Jones	
		US 4,567,942	July 1, 1986	Meathrel	
		US 4,631,952	Dec 30, 1986	Donaghey	
		US 4,684,380	Aug 4, 1987	Leichnitz	
		US 4,699,511	Oct 13, 1987	Seaver	
		US 4,732,480	Mar 22, 1988	Fortunato, et al.	
		US 4,834,496	May 30, 1989	Blyler, Jr., et al.	
		US 4,846,548	July 11, 1989	Klainer	
		US 4,847,594	July 11, 1989	Stetler	
		US 4,887,388	July 11, 1990	Hartman	
		US 4,998,017	Mar 6, 1991	Ryan, et al.	
		US RE35355	Oct 22, 1996	Ryan, et al.	
		US 5,015,843	May 14, 1991	Seitz, et al.	
		US 5,206,118	Apr 27, 1993	Sidney, et al.	
		US 5,238,729	Aug 24, 1993	Debe	
		US 5,250,095	Oct 6, 1993	Sigel, Jr., et al.	
		US 5,308,771	May 3, 1994	Zhou, et al.	

FOREIGN PATENT DOCUMENTS

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		US 5,338,415		Aug 16, 1994	Sailor, et al.
		US 5,436,167		Jul 25, 1995	Robillard
		US 5,463,624		Sept 26, 1995	Sailor, et al.
		US 5,612,882		Apr 30, 1996	Stetter, et al.
		US 5,525,900		Jun 11, 1996	Sanghera, et al.
		US 5,659,296		Aug 19, 1997	Debe, et al.
		US 5,783,836		Jul 21, 1998	Liu, et al.
		US 5,828,798		Oct 27, 1998	Hopenfeld
		US 6,007,804		Dec 28, 1999	Schwotzer, et al.
		US 6,031,454		Feb 29, 2000	Lovejoy et al.
		US 6,130,748		Oct 10, 2000	Kruger, et al.
		US 6,248,539		Jun 19, 2001	Ghadiri, et al.
		US 6,278,106		Aug 21, 2001	Muto, et al.
		US 6,375,726		Apr 23, 2002	Bernard, et al.
		US 6,432,721		Aug 13, 2002	Zook, et al.
		US 6,610,977		Aug 26 2003	Megerle

FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	CITE NO.	Foreign Patent Document Country Codes-Number -Kind Codes (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Figures Appear	Translation Yes No
		EP 0536656	May 3, 2000	G. Schwotzer, et al.		
		WO 0222237	Mar 21, 2002	Curado, et al.		

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EXAMINER'S INITIALS	CITE NO.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		GELB, L.D. et al. "Phase Separation in Confined Systems", Rep. Prog. Phys. 62, 1999, pp. 1573-1660
		GROSS, E. et al "Highly Sensitive Recognition Element Based on Birefringent Porous Silicon Layers", J. Appl. Phys. 90 No. 7, 2001, pp. 3529-3532
		GAO, J. et al., "Vapor Sensors Based on Optical Interferometry From Oxidized Microporous Silicon Films" Langmuir 18, 2002, pp. 2229-2233
		GAO, J. et al. "Porous-Silicon Vapour Sensor Based on Laser Interferometry" Appl. Phys. Lett. Vol. 77 n6, 2000, pp. 901-903

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		CANHAM, L.T., "Properties of Porous Silicon", Canham L. Ed., EMIS Data reviews series No. 18, 1997, INSPEC publ. pp. 154-157
		BJORKLUND, R.B., et al., "Color changes in thin porous silicon films caused by vapor exposure", Appl. Phys. Let. 69(20), 1996, pp. 3001-3003
		ZANGOOIE, S. et al., "Vapor sensitivity of thin porous silicon layers", Sensors and Actuators B 43, 1997, pp. 168-174.
		ZANGOOIE, S. et al., "Reversible and irreversible control of optical properties of porous silicon superlattices by thermal oxidation, vapour adsorption, and liquid penetration", J. Vac. Sci. Technol. A 16(5), 1998, pp. 2901-2912.
		TAKAMORI, T., "Structural anisotropy and birefringence in microporous glasses", J. Am. Ceram. Soc. 61 No. 9-10, 1978, pp. 434-438.
		RYOO, R. et al., "Optically transparent, single-crystal-like oriented mesoporous silica films and plates", J. Phys. Chem. B 101, 1997, pp. 10910-10913.
		KO, C.H., et al., "Mesocrystal engineering using non-bonded interaction to obtain optically transparent mesoporous silica films and plates with uniform orientation", Micro. Meso. Mat. 21, 1998, pp. 235-243.
		TAKAMORI, T. et al., "Anomalous birefringence in oxide glasses" in "treatise on materials science and technology", Glass 1 vol. 12, 1997, pp. 123-155, Tomozawa M. & Doremus R.H. Eds., Academic Press N.Y.
		ANTROPOVA, T.V., et al., "Porous glass: inhomogeneities and light transmission", Opt. Appl. Vol. XXX No. 4, 2000, 553-567
		ALTSHULER, G.B., et al., "Spatial dispersion of anisotropy of high-silica microporous glasses", Opt. Spektrosk. 63, 1987, 228-231.
		ALTSHULER, G.B., et al., "Porous glass optics", J. Non-Cryst. Solids 123, 1990, pp. 266-270
		BURKAT, T.M., et al., "Structural anisotropy and birefringence in porous glass plates", Fiz. Khim. Stokla 17 No. 5, 1991, pp. 781-790
		HERMAN, P.H. in Colloid Science, 1949, Vol. II, Reversible Systems", H.R. Kruyt Ed., Elsevier Pub. Chap. XII § 6 "Sorpton and swelling", pp. 512-580.
		FOLTYNOWICZ, Z., et al., "Effect of silane treatment on the pore structure of porous glasses", Glass Technology Vol. 34, No. 5, 1993, pp. 206-209.
		LORKOWSKI, H.J., et al., "Optical Polymers with special birefringent properties", Polymers for Advanced Technologies Vol. 7, 1996, pp. 501-506.
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		LI, Y.Y., et al., "Polymer replicas of photonic porous silicon for sensing and drug delivery applications", Science Vo. 299, 2003, pp. 2045-2047.
		BEOM-HOAN O et al., "Vapor Sensor Realized in an Ultracompact Polarization Interferometer Built of a Freestanding Porous-Silicon Form Birefringent Film", IEEE Photonics Technology Letters, IEEE Inc., New York, US, vol. 15, no. 6, June 2003 pp. 834-836, XP001175197
		LIU R et al., "Novel Porous silicon vapor sensor based on polarization interferometry" Sensors and Actuators B, Elsevier Sequoia S.A., Lausanne, CH, vol. 87, no. 1, 15 November 2002, pp. 58-62 XP 004391077
		RONG LIU et al., "Porous silicon vapor sensor based on polarization interferometry" LEOS 2001. 14th Annual Meeting of the IEEE Lasers & Electro-Optics Society. San Diego, CA, Nov. 11-15, 2001, Annual Meeting of the IEEE Lasers and Electro-Optics Society, New York, NY: IEEE, US, vol. 1-2, pp. 820-821, XP010566702
		KOORYMAN R P H et al., "Optical fiber immunosensor based on polarimetry" Transducers, San Francisco, June 24-27, 1991, Proceedings of the International Conference on Solid State Sensors and Actuators, New York, IEEE, US, vol. Conf. 6, 24 June 1991, pp. 376-377, XP010037367
		HEIDEMAN R G et al., "Polarimetric Optical-Fibre Sensor for Biochemical Measurements" Sensors and Actuators B, Elsevier Sequoia S.A., Lausanne, CH, vol. B12, no. 3, 15 April 1993, pages 205-212, XP 000397509
		VELDHUIS G J et al., "An integrated optical Bragg-reflector used as a chemo-optical sensor" Pure and Applied Optics, Bristol, GB, vol. 7, no. 1, 1996, pages L23-L26, XP 002087839

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